

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: James E. Millerd, Neal J. Brock and Larry Denneau, Jr.

DOCKET NO.:

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EXAMINER:

FILED:

ART UNIT:

TITLE: CALIBRATION AND ERROR CORRECTION IN MULTI-CHANNEL IMAGING

Commissioner for Patents
Washington, D.C. 20231

Antonio R. Durando
Durando Birdwell & Janke, PLC
2929 E. Broadway Blvd.
Tucson, AZ 85716

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In keeping with the duty of candor and good faith owed to the Patent and Trademark Office, applicants wish to make of record the items on attached PTO Form 1449. Copies of the non-patent references are not yet available, but will be provided at a later time.

Applicants believe that none of the referenced material, alone or in combination, anticipates or renders obvious their invention.

Respectfully submitted,



Antonio R. Durando
Reg. No. 28,409

Date: 10/16/03

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	James E. Millerd
Art Unit	
Examiner Name	
Attorney Docket Number	6162.004

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,575,248	03/11/1986	Horwitz et al.	
		US- 4,624,569	11/25/1986	Kwon	
		US- 5,589,938	12/31/1996	Deck	
		US- 5,663,793	09/02/1997	de Groot	
		US- 5,777,741	07/07/1998	Deck	
		US- 5,883,717	03/16/1999	DiMarzio et al.	
		US- 5,926,283	07/20/1999	Hopkins	
		US- 5,982,497	11/09/1999	Hopkins	
		US- 6,304,330 B1	10/16/2001	Millerd et al.	
		US- 6,249,289 B1	06/19/2001	Arnaud et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number			
		Filing Date			
		First Named Inventor	James E. Millerd		
		Art Unit			
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	6162.004

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		L. G. Brown, "A Survey of Image Registration Techniques," Columbia University, Computer Science Department Publication, New York, NY, 1991	
		R. C. Gonzalez et al., Digital Image Processing, Addison-Wesley, Reading, MA, 1987	
		J. Schmit et al., "Extended averaging technique for derivation of error-compensating algorithms in phase-shifting interferometry," Applied Optics, Vol. 34, p. 3610, July 1995	
		C. K. Hong et al., "Least-squares fitting of the phase map obtained in phase-shifting electronic speckle pattern interferometry," Optics Letters, Vol. 20, p.931, April 1995	
		T. D. Upton et al., "Optical and electronic design of a calibrated multichannel electronic interferometer for quantitative flow visualization," Appl. Opt., Vol. 34, No. 25, 19	
		C. Koliopoulos et al., "Simultaneous phase shift interferometer," SPIE Vol. 1531, pp. 119-127, 1991	
		Schwider et al., Applied Optics, Vol. 22, pp. 3421-3432, 1983)	
		Schmit et. al., Applied Optics Vol. 34, pp. 3610-3619, 1995	
		M. F. Kuchel, "Advanced Interferometry at Carl Zeiss," Proceedings of SPIE, Vol. 1720, p 452-456 (1992)	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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